

Cone dystrophy

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Abstract

We report a case of a 33-year-old woman, who complains of a progressive loss of visual acuity for 6 years. Visual acuity was 4/10 which cannot be improved in both of eyes. The examination of the anterior segment of both of eyes was normal. Fundus examination reveals the existence of a rounded yellowish macular lesion with major macular atrophy in both of eyes (Panel A and B), the peripheral retina was normal. Auto fluorescence picture describe a bull's-eye maculopathy limited by a hyperautofluorescent ring (Panel C). Macular OCT shows loss of the outer segments of the foveal photoreceptors (Panel D). The electroretinography confirmed the diagnosis of cone dystrophy by demonstrating an absence of response under photopic conditions, while the scotopic response is preserved.

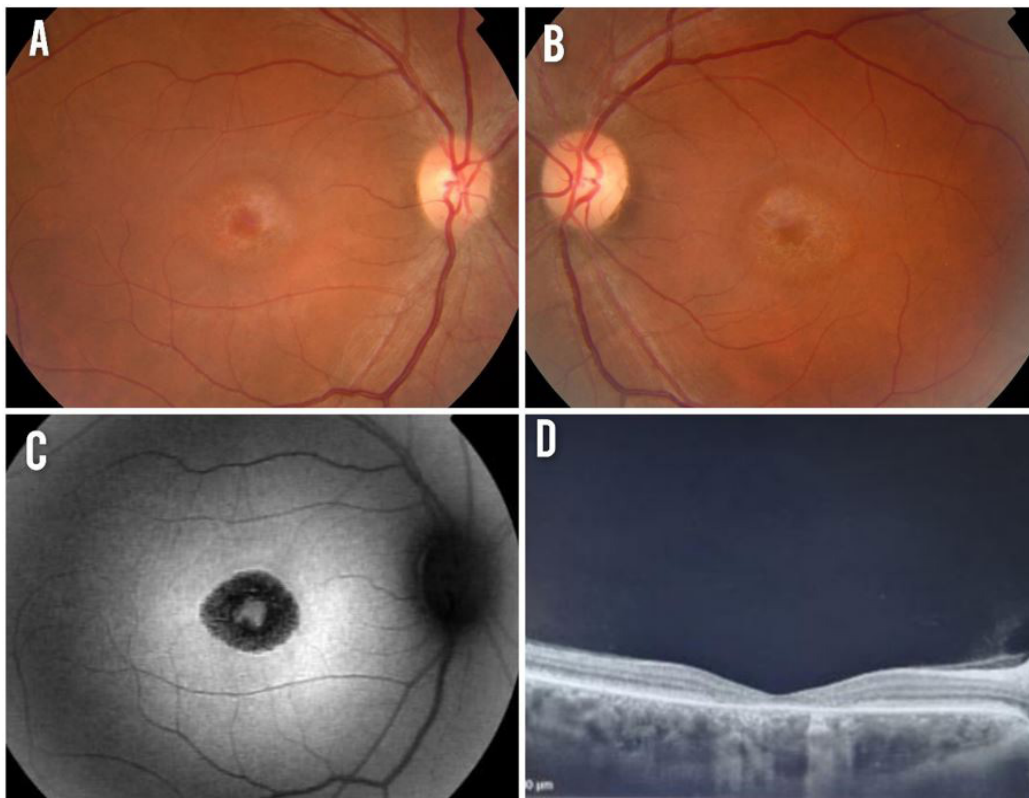


Figure A, B: fundus photography illustrating retinal features of cone dystrophy, showing macular atrophy.

Figure C: fundus autofluorescence image describe decreased autofluorescence corresponding to central atrophy, surrounded by a ring of increased autofluorescence.

Figure D: Macular OCT shows loss of the outer retinal layers affecting the macula.

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